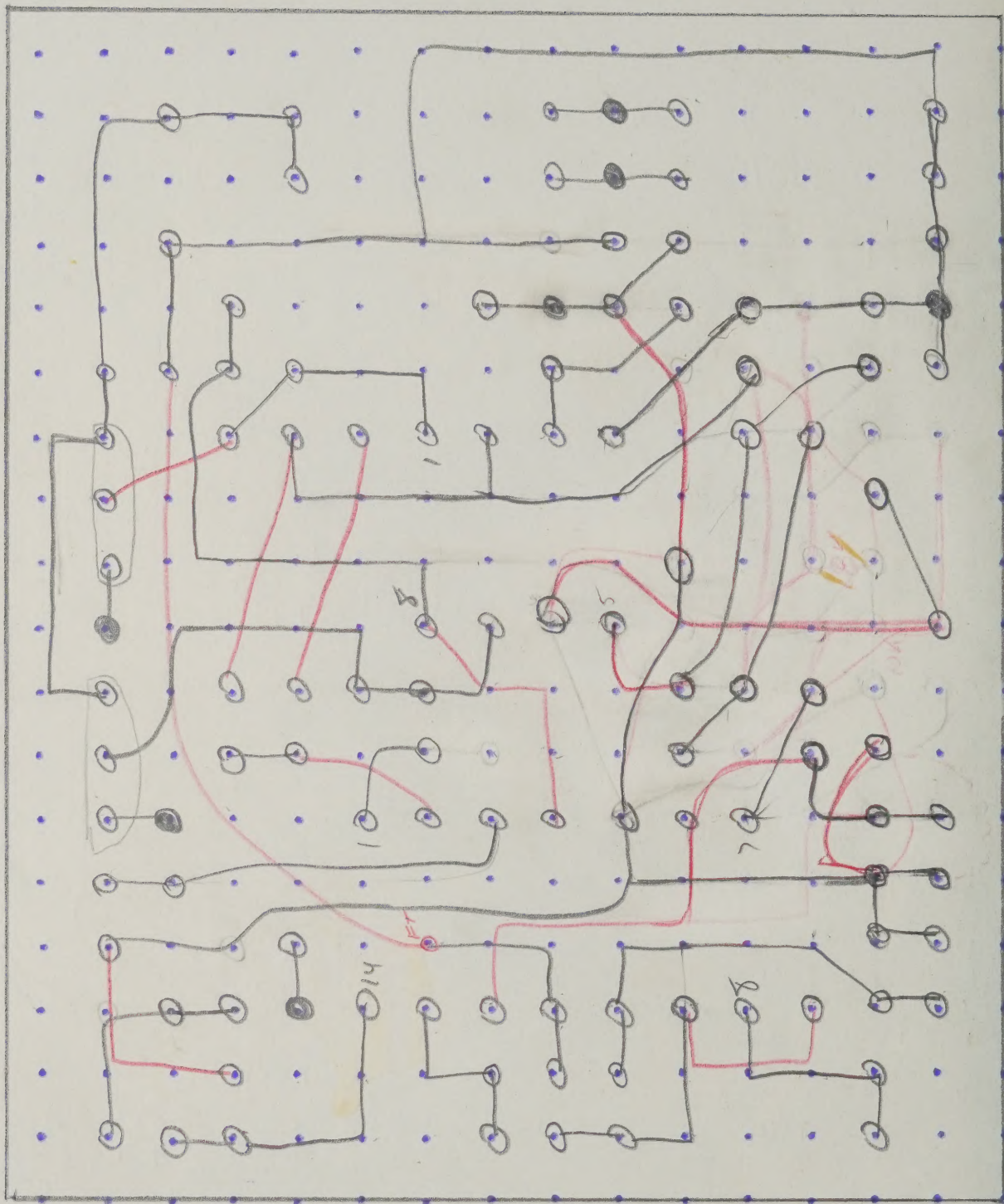


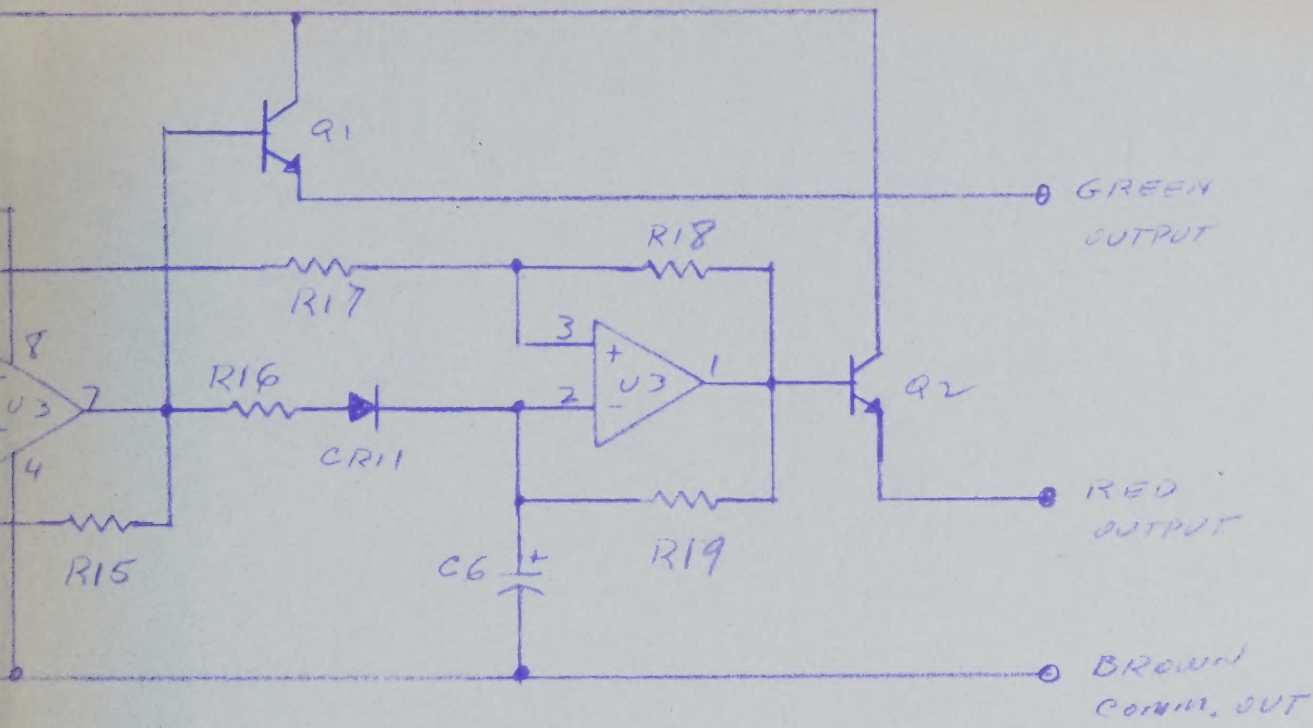
15

159




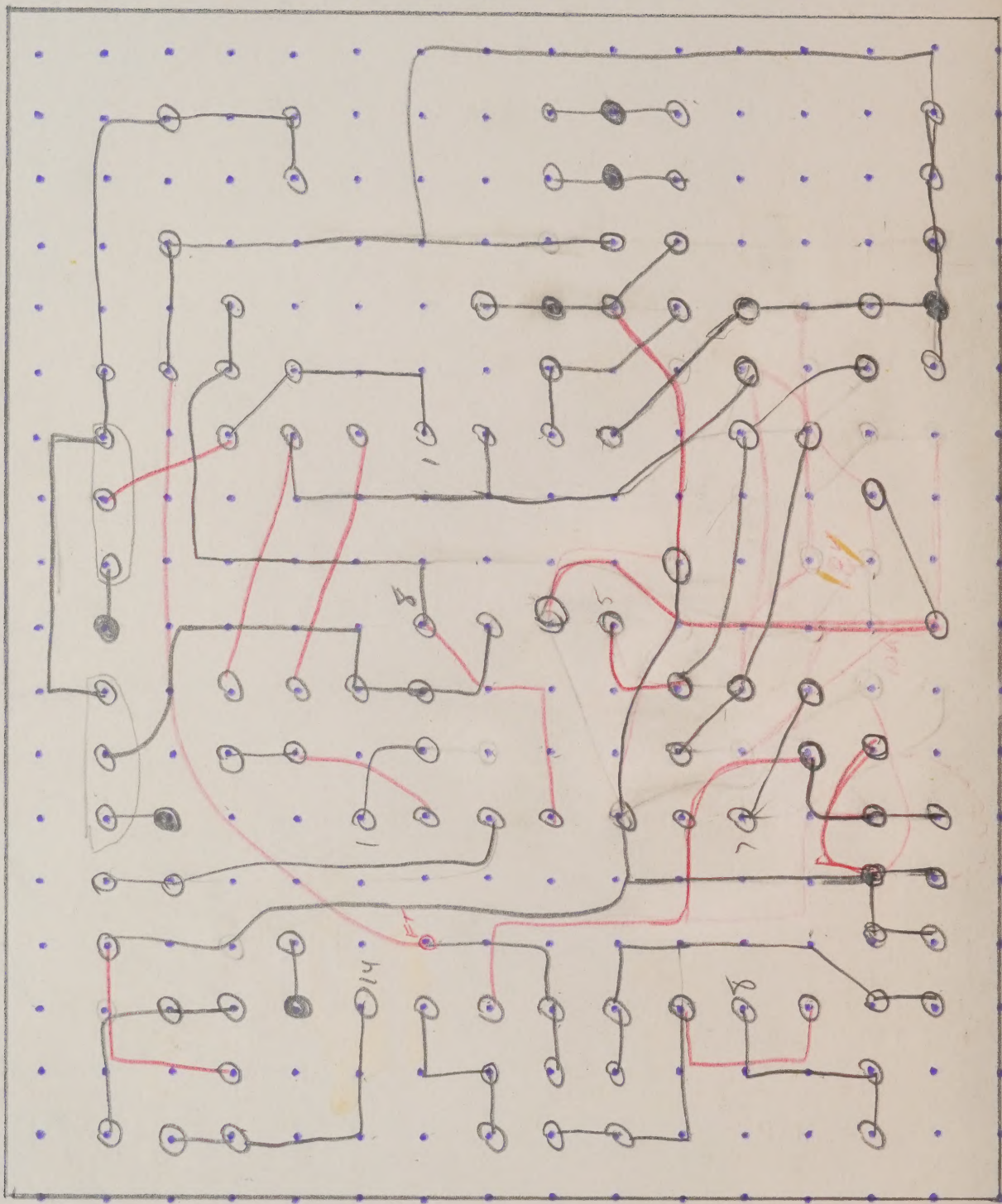
6-25-87

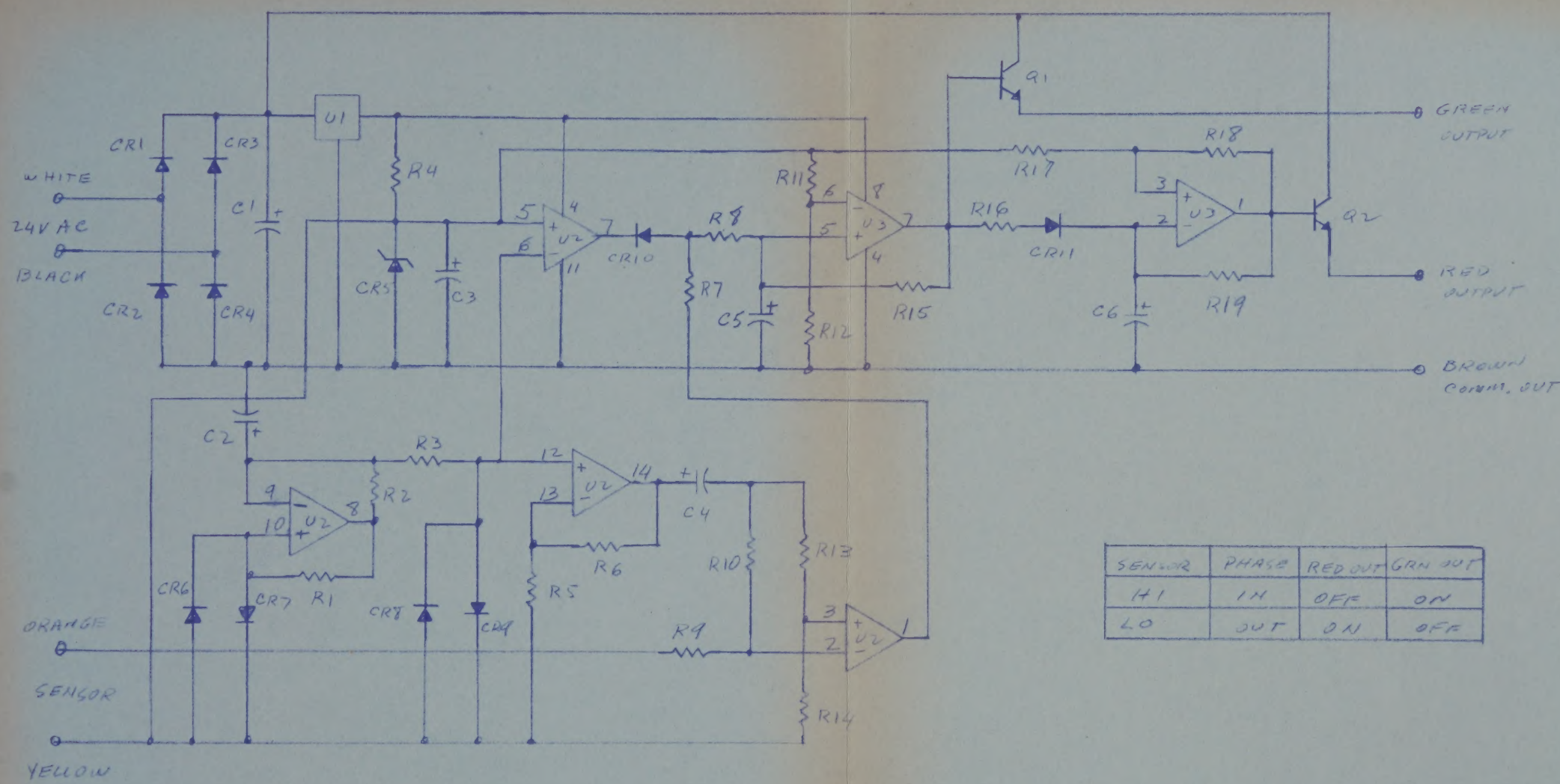




SENSOR	PHASE	RED OUT	GRN OUT
H1	IN	OFF	ON
LO	OUT	ON	OFF

DIMENSIONS ARE IN INCHES AND AFTER PLATING TOLERANCES (unless otherwise specified) .X ±.1 .XX ±.03 .XXX ±.010 ANGLES ±0.5° MACH SURF ✓	DR <i>Shannon</i> 6/25/87	 Parko ELECTRONICS COMPANY INC., SANTA ANA, CALIF.	HUMIDITY SENSOR	
	CHK			
	DSGN			
	PROJ			
	REL			
APPROVED	CODE IDENT NO.	SIZE	REV	
APPROVED	13979	B	101815	
DO NOT SCALE DRAWING	SCALE <i>NONE</i>	SHEET 1 OF 1		



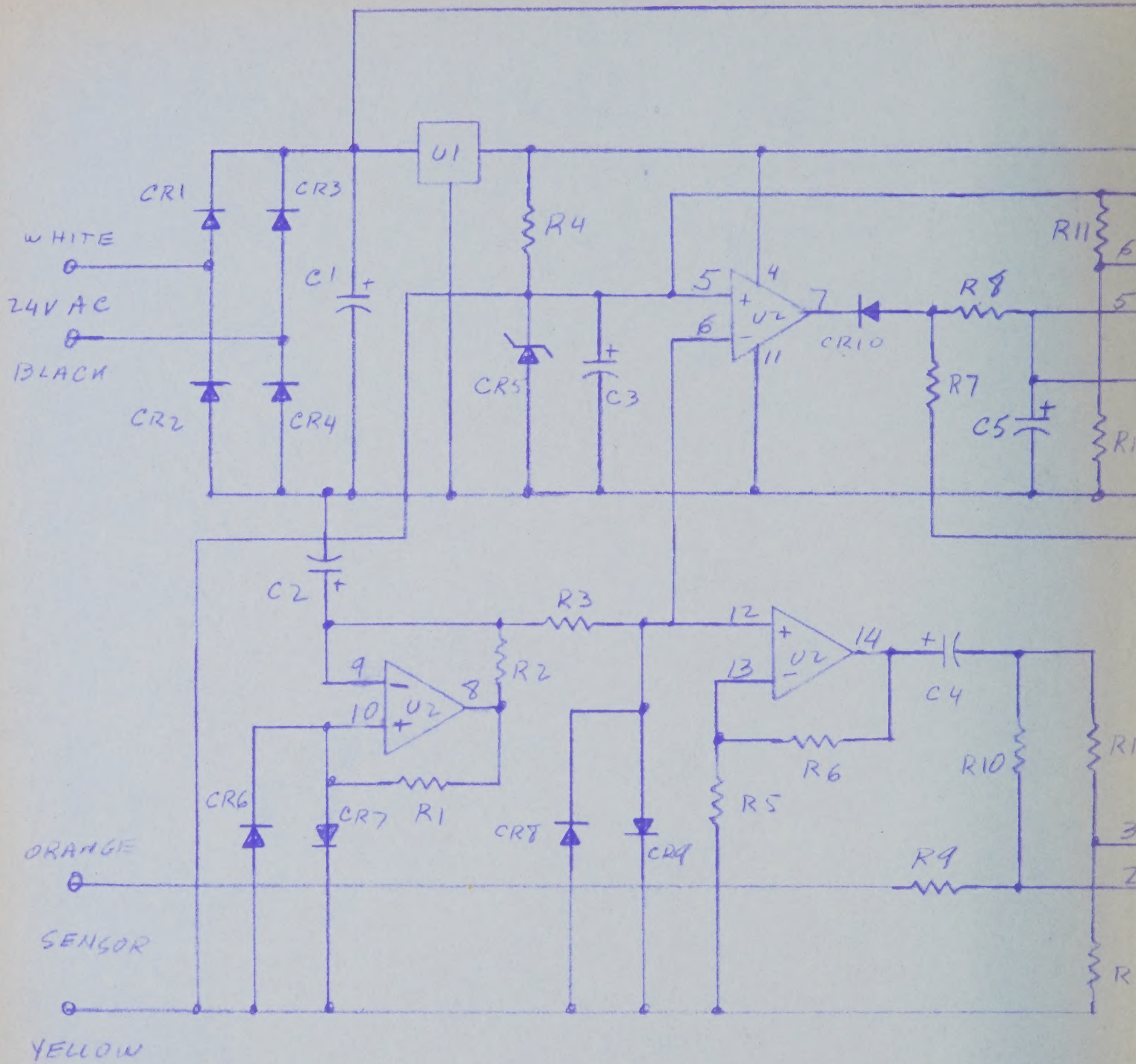


SENSOR	PHASE	RED OUT	GRN OUT
H1	IN	OFF	ON
LO	OUT	ON	OFF

3. PARTS LIST: PL101814
 2. ASSEMBLY: 101816
 1. TOP DRAWING: 101814

NOTES:

DIMENSIONS ARE IN INCHES AND AFTER PLATING		DR <i>Shannon</i> 6/25/87	Parko ELECTRONICS COMPANY INC., SANTA ANA, CALIF		
TOLERANCES (unless otherwise specified)		CHK			DSGN
.X ±.1		PROJ	REL	HUMIDITY SENSOR	
.XX ±.03		APPROVED			
.XXX ±.010		APPROVED		CODE IDENT NO.	SIZE
ANGLES ±0.5°		DO NOT SCALE DRAWING		13979	B
MACH SURF	✓			SCALE <i>NONE</i>	SHEET 1 OF 1



3. PARTS LIST: PL101814
2. ASSEMBLY: 101816
1. TOP DRAWING: 101814


NOTES:

Date 6-25-87 Parko P/N PL101814 Qty. S/O

Ref. Des.	P/N	Description	Unit Qty	Total Qty	Insp	Manufacturer	Parko PO	Notes
	HU-8840/HTD-1.00	CAN	1			HUDSON		
	HU-8840/HTD-CA	COVER	1			HUDSON		
		P.C. BOARD 1.5x1.9	1					
		WIRES	7			24 INCH		
	G-402	CROMET	1			WALDOM (Hole .300)		
	ES160.1	POTTING BGM 514000	250W5.					
U1	MC78L24C	24V REGULATOR	1			MOT. OR EQUIVALENT		
U2	MC3403P	QUAD OP-AMP	1			(LM324)		
U3	MC4558P	DUAL OP-AMP	1			(LM358)		
Q1, Q2	MP5405	TRANSISTOR	2			MOUSER		
CR1-CR4	1N4002	DIODE	4					
CR5	1N5242B	12V ZENER	1			(1N963B)		
CR6-CR11	1N4148	DIODE	6					
C1	20YR100	CAPACITOR-100UF/50V	1			RUBYCON-MOUSER		
C2	540-0.1M35	CAPACITOR-.1uf/35V	1			MATCO-MOUSER		
C3-C4-C6	540-1.0M35	CAPACITOR 1uf/35V	3			"		
C5	540-4.7M20	CAPACITOR-4.7uf/20V	1			"		

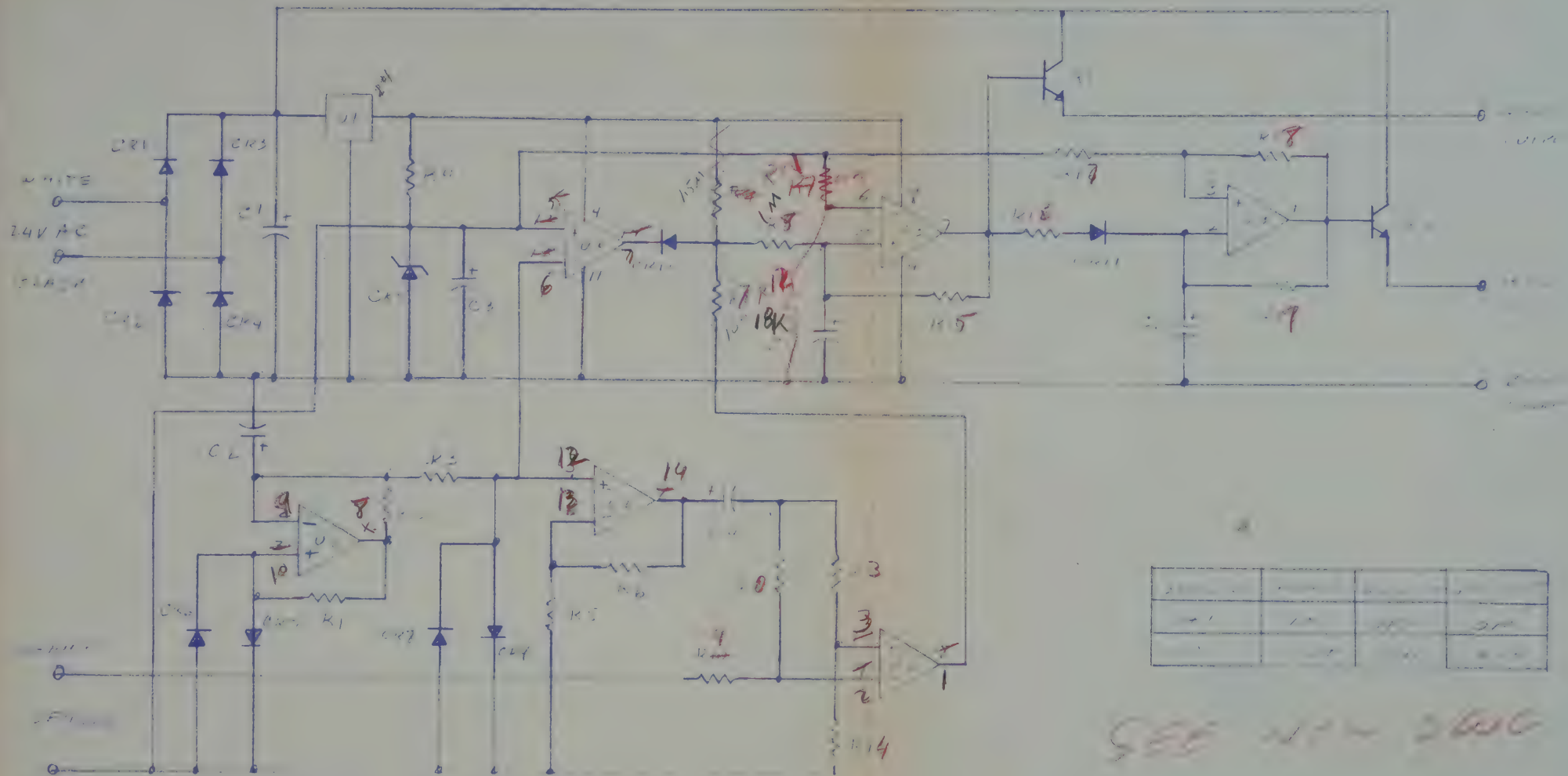
Date 6-25-87 Parko P/N PL-101814 Qty. S/O

Ref. Des.	P/N	Description	Unit Qty	Total Qty	Insp	Manufacturer	Parko PO	Notes
R11, R2	ME221	RESISTOR- 330 Ω	2			MOLSBIE		
R3	ME271	RESIS. 100 Ω	1			LI		
R4	ME271	RESIS. 4.7 Ω	1			LI		
R5, R7, R9, R10	ME271	RESIS. 10 Ω	4			LI		
R6	ME271	RESIS. 220 Ω	1			LI		
R7	ME271	RESIS. 1.0 Ω	1			LI		
R8	ME271	RESIS. 1 MEG	1			LI		
R10	ME271	RESIS. 150 Ω	1			LI		
R13, R14	ME271	RESIS. 249 Ω	2			LI		
R15	RC07	RES. 22 M.	1			—		
R16	ME271	RESIS. 27 Ω	1			MOLSBIE		
R17	ME271	RESIS. 47 Ω	1			LI		
R18	ME271	RESIS. 150 Ω	1			LI		
R19	RC07	RESIS. 680 Ω	1			—		
R12	ME271	RESIS 18 Ω	1			LI		



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Amateur Radio Digital Communications, Grant 151

<https://archive.org/details/101814mdthumidit00unse>



1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16

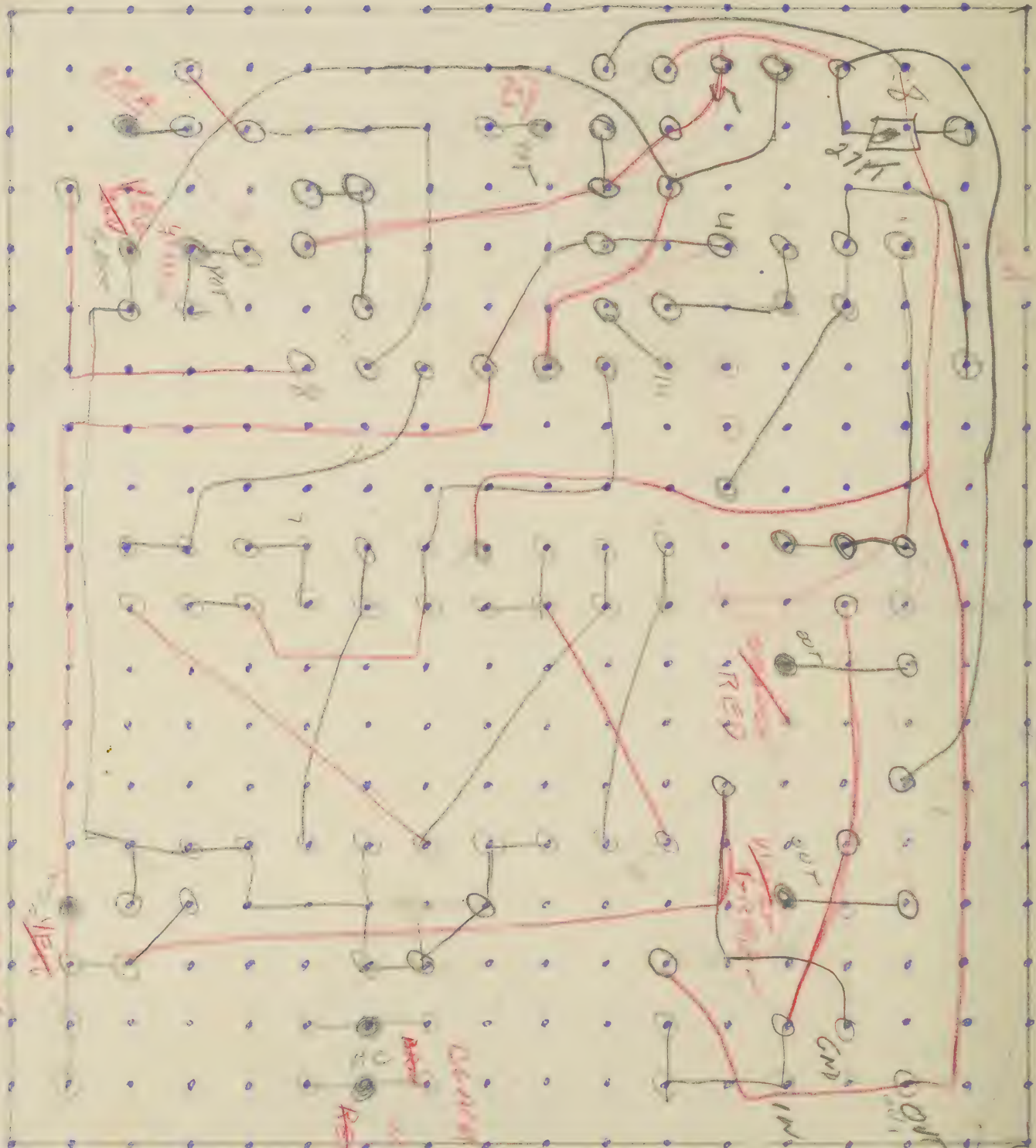
SEE WPM 2000

3. PARTS LIST: PL10171
2. ASSEMBLY: 10171
1. WIRING: 10171

DIMENSIONS ARE IN INCHES AND AFTER PLATING		DR <i>John</i> 1/1/71		Parko ELECTRONICS COMPANY INC. SANTA ANA, CALIF.	
TOLERANCES (unless otherwise specified): X = .1 XX = .03 XXX = .010 ANGLES = 0.5 MACH. SURF. <input checked="" type="checkbox"/>		CHK.			
APPROVED		DSGN		H2012 - 504300	
APPROVED		PROJ		CODE IDENT NO	
DO NOT SCALE DRAWING		REL		13979	
				SIZE B	
				101815	
				REV	
				SCALE	
				SHEET	

24pin wire
24pin long

connect



24pin

24pin
24pin
24pin

101814

SENSOR (HUMIDITY)

25% HUM. = 270K

30% " = 150K

35% " = 75K

40% " = 50K

ADJUSTMENT RESISTANCE

25% = 224K

30% = 108K

35% = 35K

40% = 10K

MAY-11-87

4748R

TWO UNITS PREVIOUSLY
BUILT CAME BACK TO
BE
MODIFIED.

1 ADDED CUT TO MAKE RED
FLASH WITH POWER-UP

2 REMOVED POT AND
BROUGHT TWO WIRES
OUT FOR EXTERNAL
ADJUST - BLUE & PURPLE
WIRES

R_DS Wire & Cable Inc.

(213) 325-3330

1521 West 259th. Street, Harbor City, California 90710

MDT

30%

101814

Date 3/24/87 Parko P/N HCMMIDITY SENSOR Qty. S/O

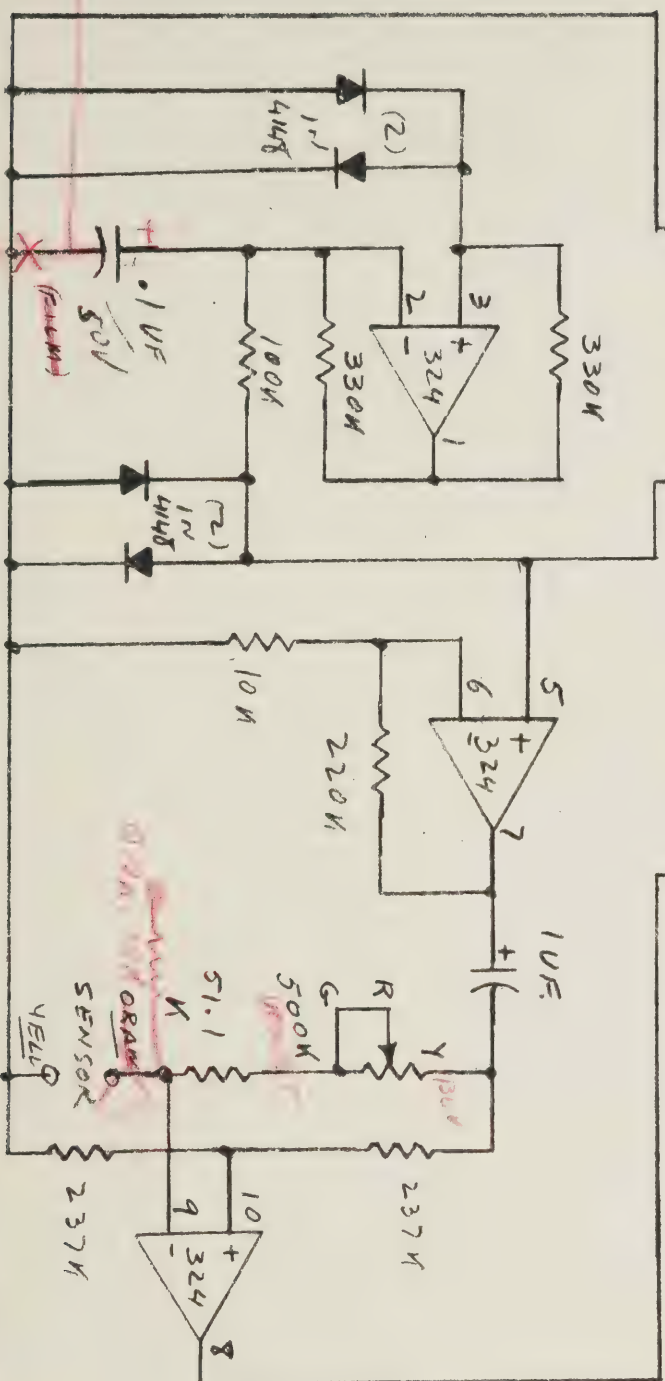
PARTS LIST ON TWO PROPERTIES

Ref. Des.	P/N	Description	Unit Qty	Total Qty	Insp	Manufacturer	Parko PO	Notes
	CAN	HC-8840/-1.00	1			Hudson		
	COVER	HC-8840-COA	1			"		
	P.C. BOARD	LS XL9	1					
	BOARD	WIRRES	7					
		CIRCUIT	1					
		POTTING						
	MC3403P	BOARD OP-AMP	1			(2M324)		
	MC4557P	DUAL OP-AMP	1			(CM357)		
	MC78L24C	24V REGULATOR	1					
	MC5194	TRANSISTOR	2					
	1N4002	DIODE	4					
	1N4148	DIODE	6					
	1N5242B	12V ZENER	1			(1N963B)		
	60XK100	100V/50V CAP	1			MEASURE-RUBICON		
	20YR220	220V/50V CAP	1					
	(P4P) ?	10V/35V - CAP	4			TMB		
	RESISTORS	RESISTORS	15					
	RESIST	RESISTORS	3					
	500M POT - PARKO		1					

MEET 1

1500S HOUSE



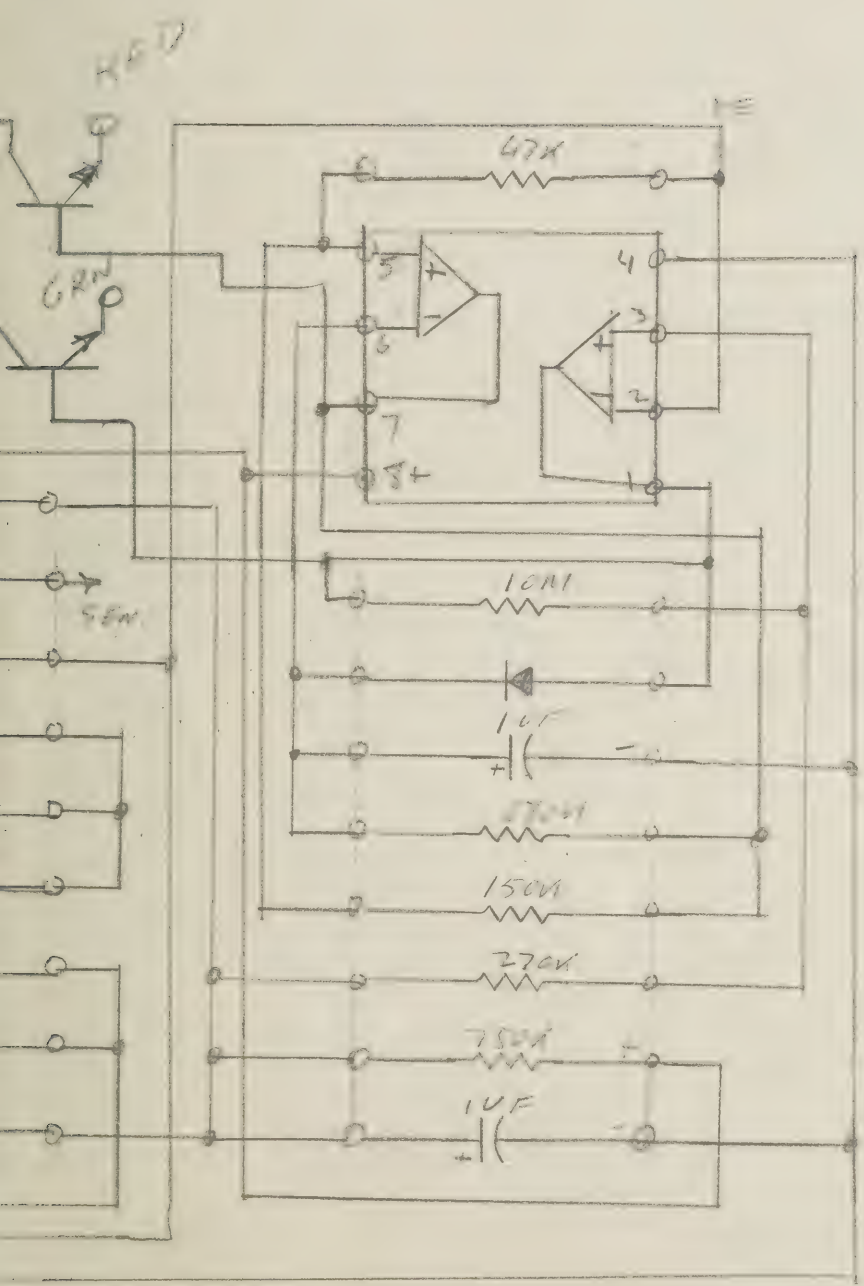


3-24-87

Humidity sensor- 101814

SENSOR	PHASE	RED OUT	GRN OUT
A1	IN	OFF	ON
L0	OUT	ON	OFF

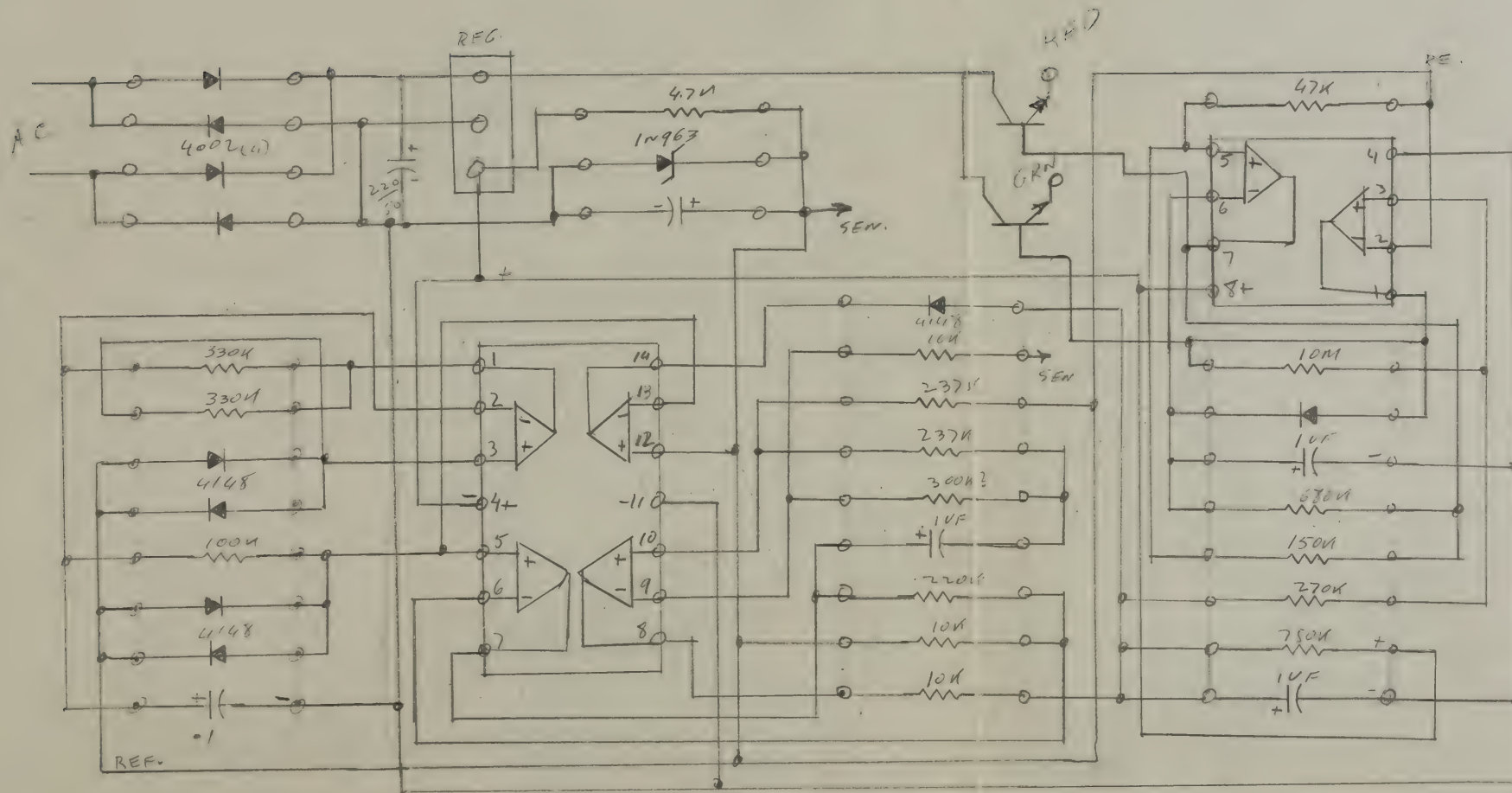
101814-17



101814-17

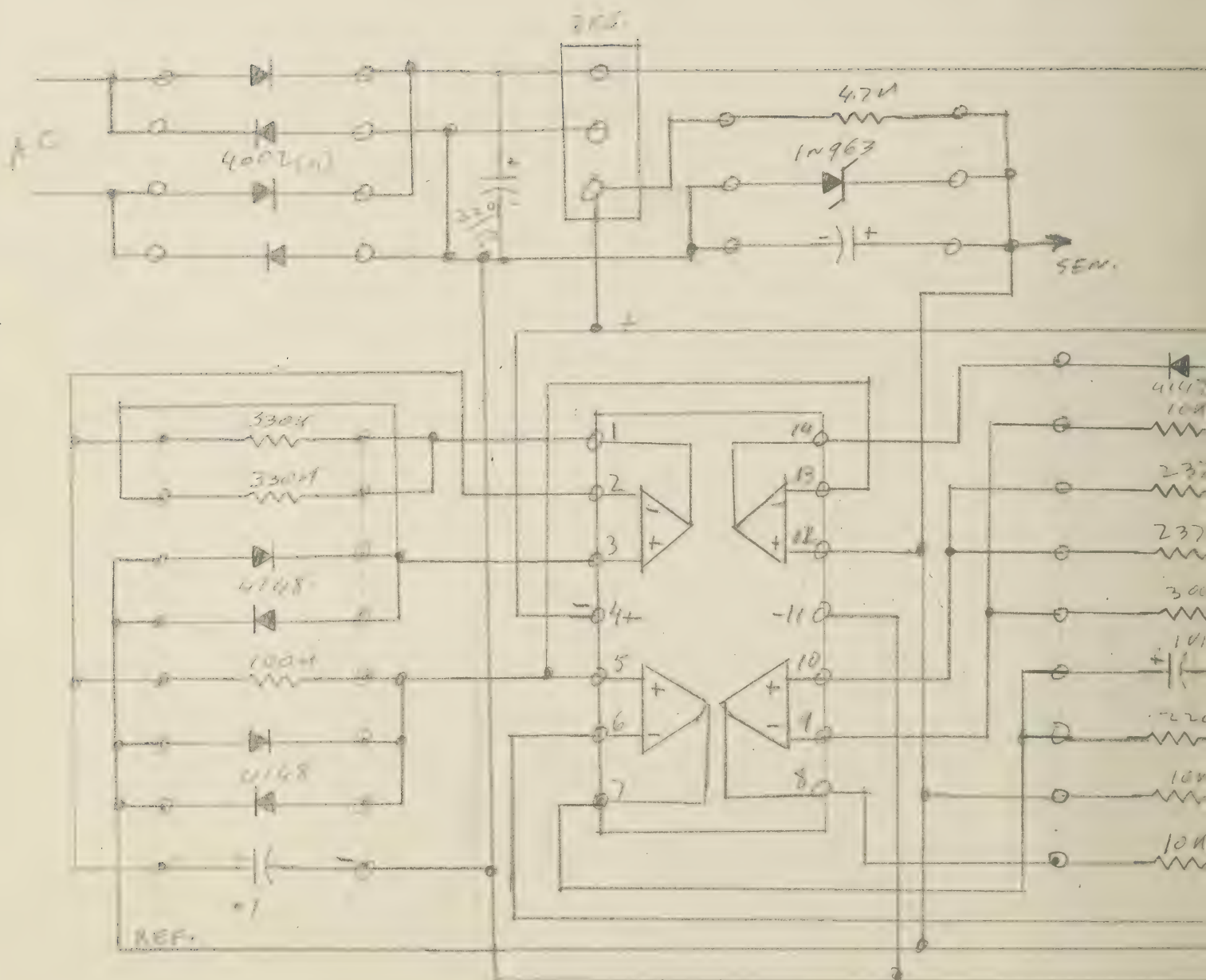
101814-17

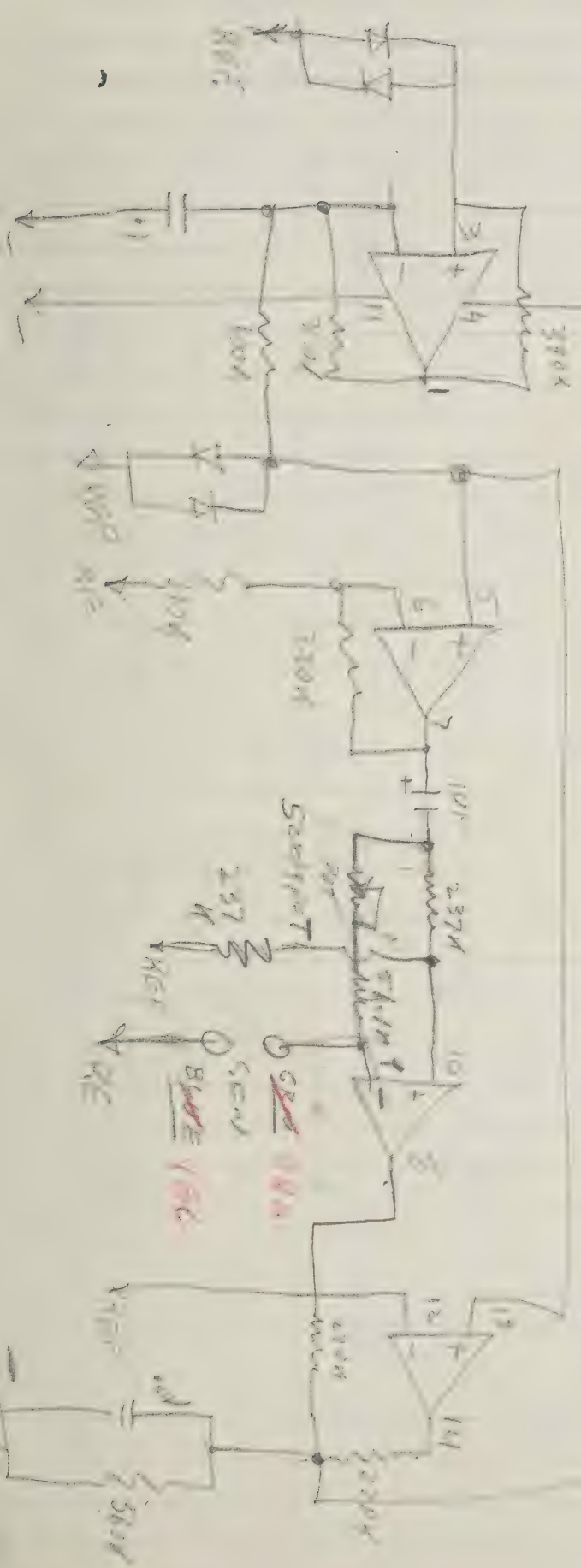
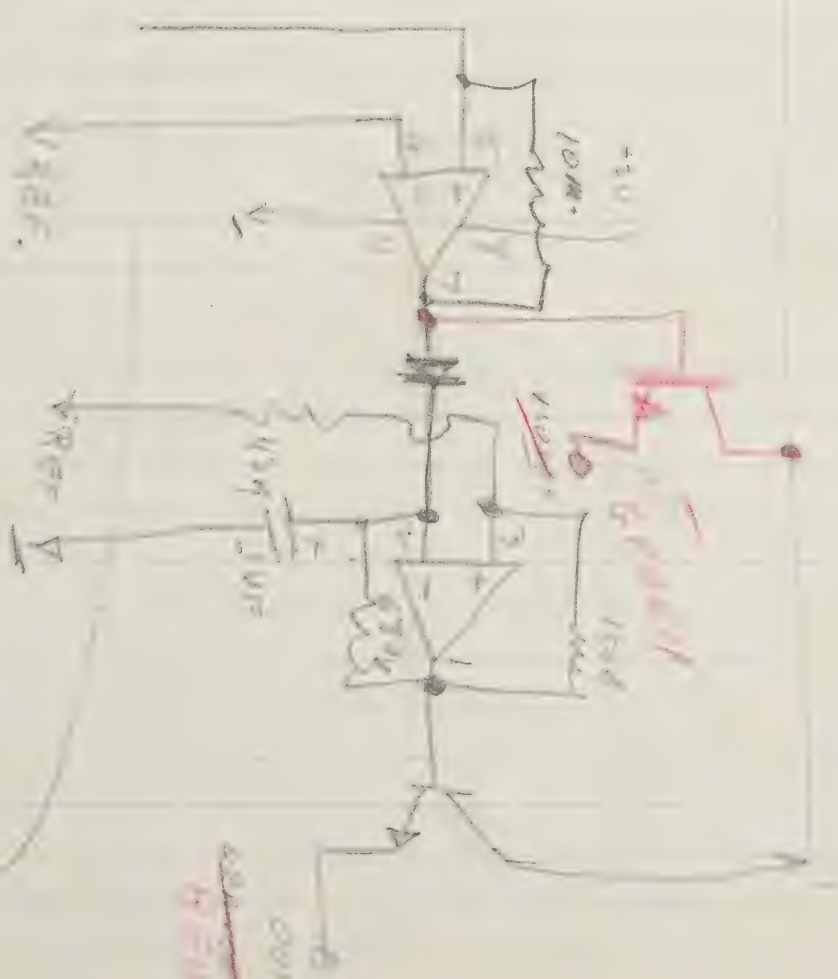
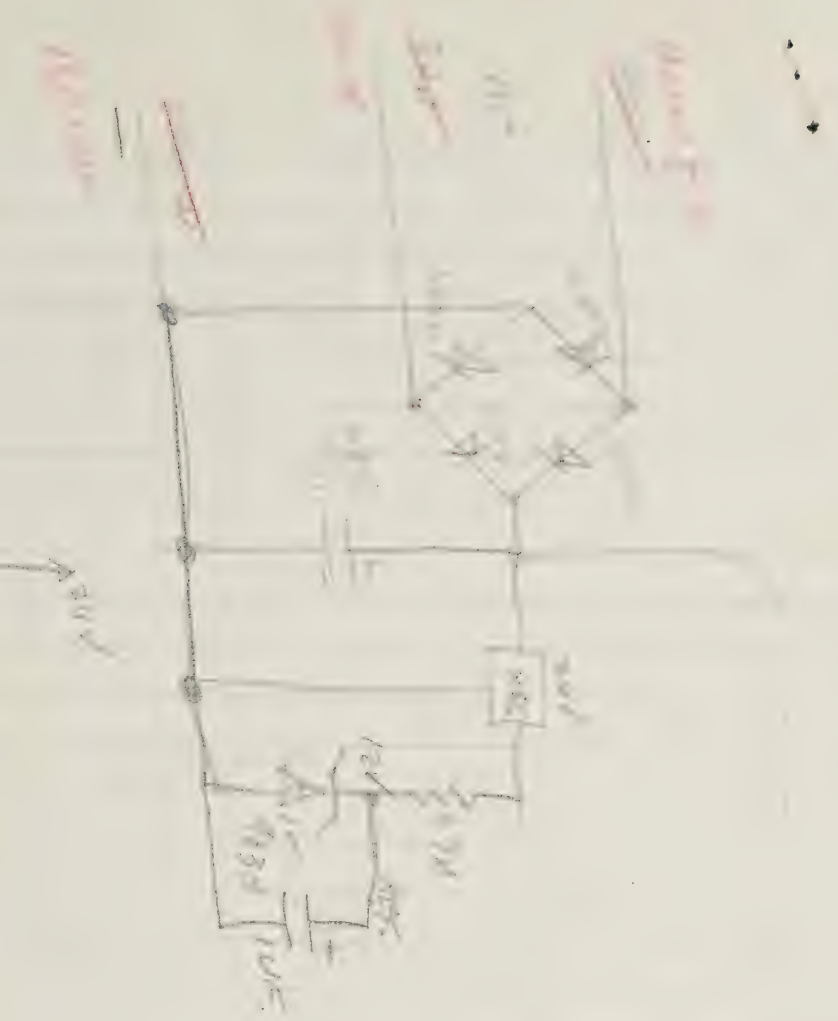
200 80197



100V 100K

100V 100K





DATE 4-4-86

Parko P/N

101814 - Humidity Sensor

QTY.

S/O

Ref. Des.	P/N	Description	Unit Qty	Total Qty	Insp	Manufacturer	Parko PO	Notes
		CAN-40-8840-1.00	1			140500		
		COVER-140-8840-CA	1					
		P.C. BOARD	1					
		WIRES	67					
		POTTING						
		QUAD OP-AMP	1			NOTE. (LM324N)		
		DUAL OP-AMP	1			NOTE. (LM358N)		
		24V REGULATOR	1			NOTE. OR EQUIVALENT		
		TRANSISTOR	82					
		DIODE	4					
		DIODE	5					
		12V BATTERY	1			(1N963B)		
		220/50V-CAP	1			MOUSER-RUBYCO		
		1/50V-CAP	1					
		0.01/50V-CAP	1					
		100/35-CAP	3					
		RCO2 RESISTORS	12					
		RNS	3					
		POT 500K/10K	1					

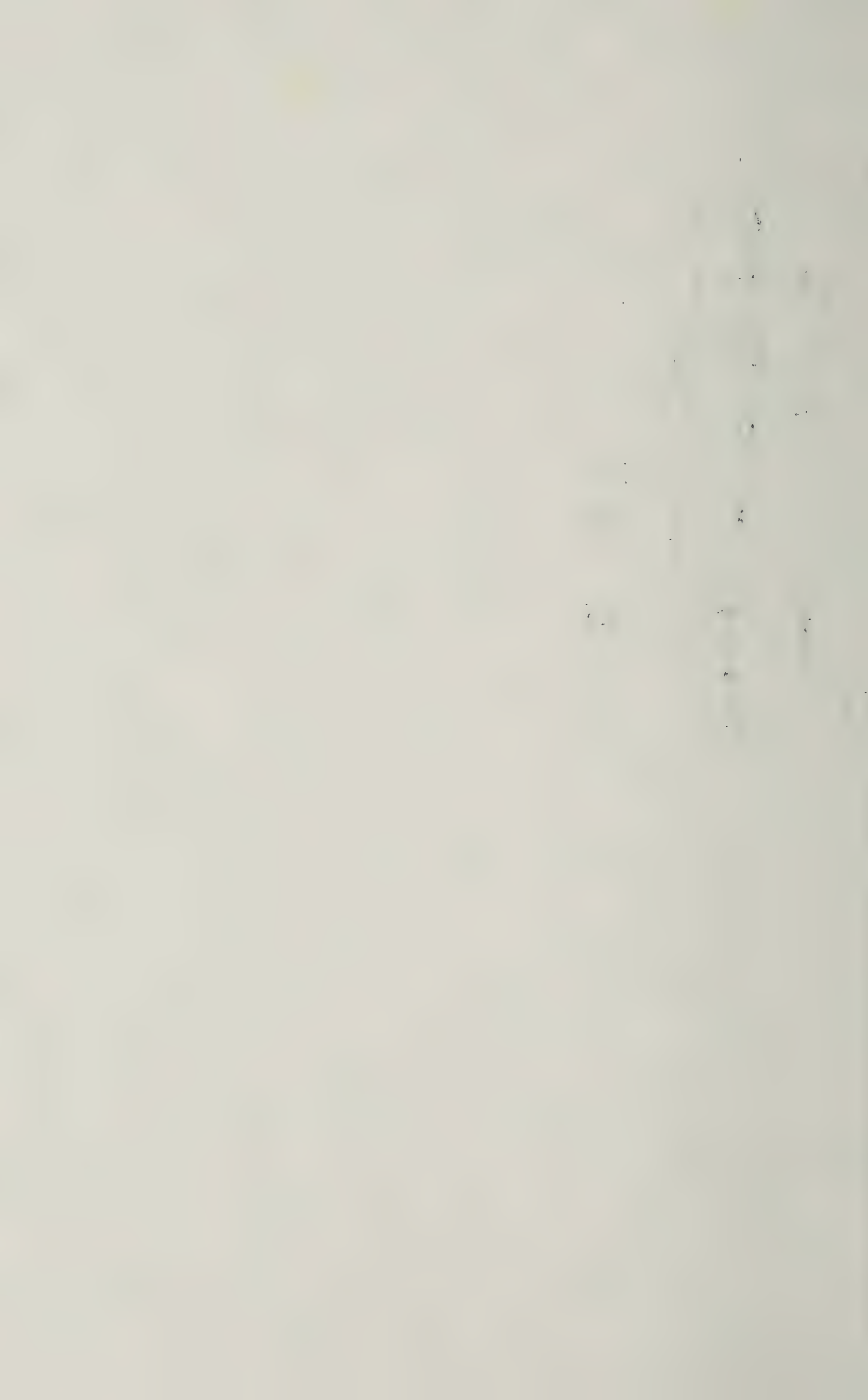
220.

229.1
229.2

80 0
 70 20
 60 0
 50 0
 40 0
 30 0
 20 0
 10 0
 0 0

+ 1000
 1000

Moved 1N4148 to
 clear the row -
 Had to clear board
 .1" to fit in can.



FITZIMONS MDT

RED ON MOMENTARILY
WHEN POWER-UP
BUT NOT EVERY TIME
—

ADD A SELF TEST
FEATURE (RED ON)

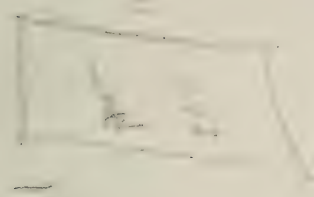
& \$0 RED "ON"

EVERY TIME POWER-
UP.

$$\frac{1.5}{1.7}$$

$$\frac{1.45}{1.95}$$

ob



7x5

$$\frac{5.1}{5.6}$$

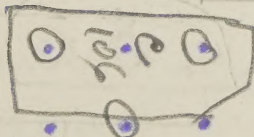
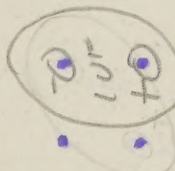
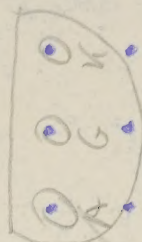
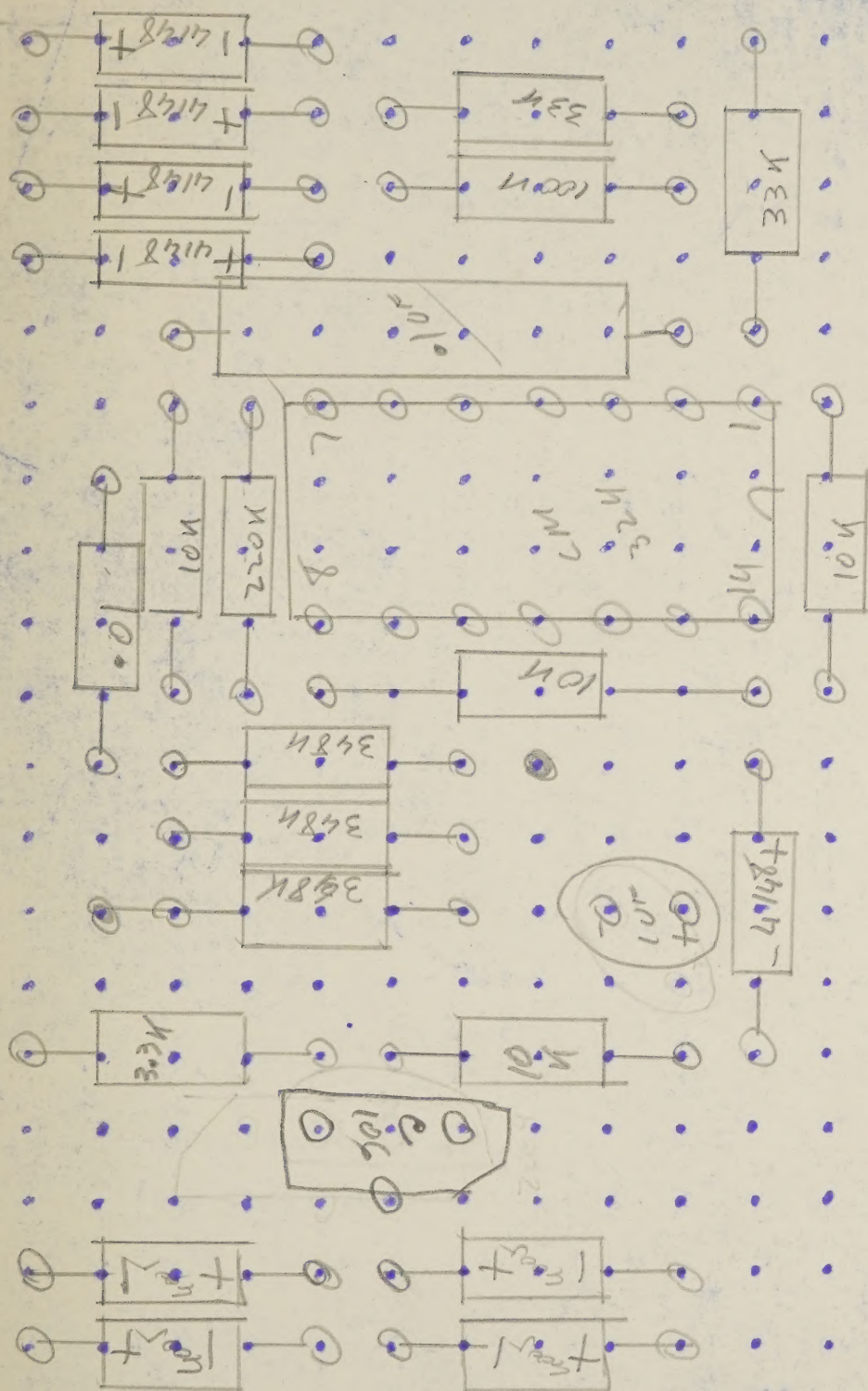
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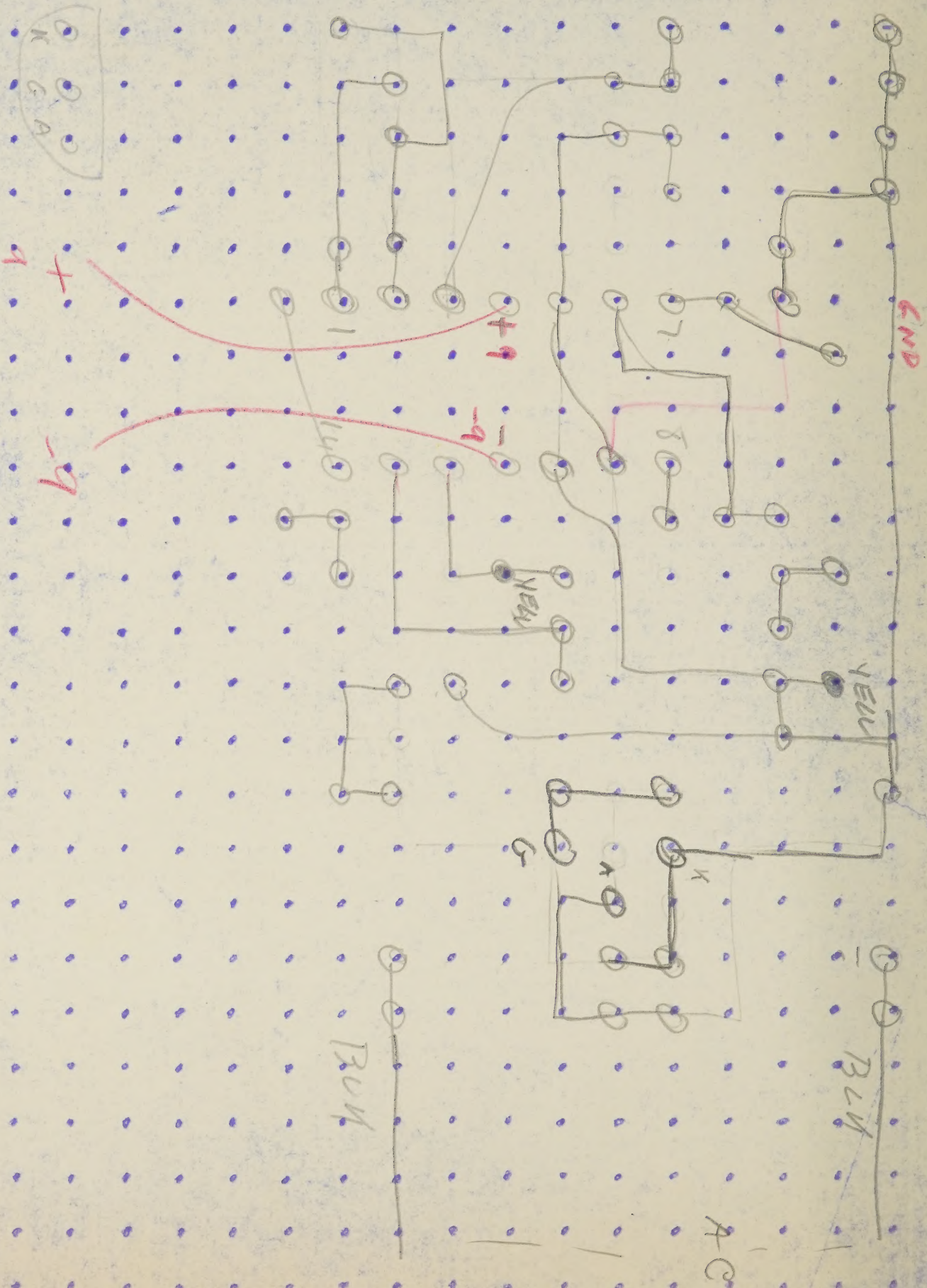
1

9-12-85

THIS UNIT WENT HOME
BACK WITH BROWN
SCR.

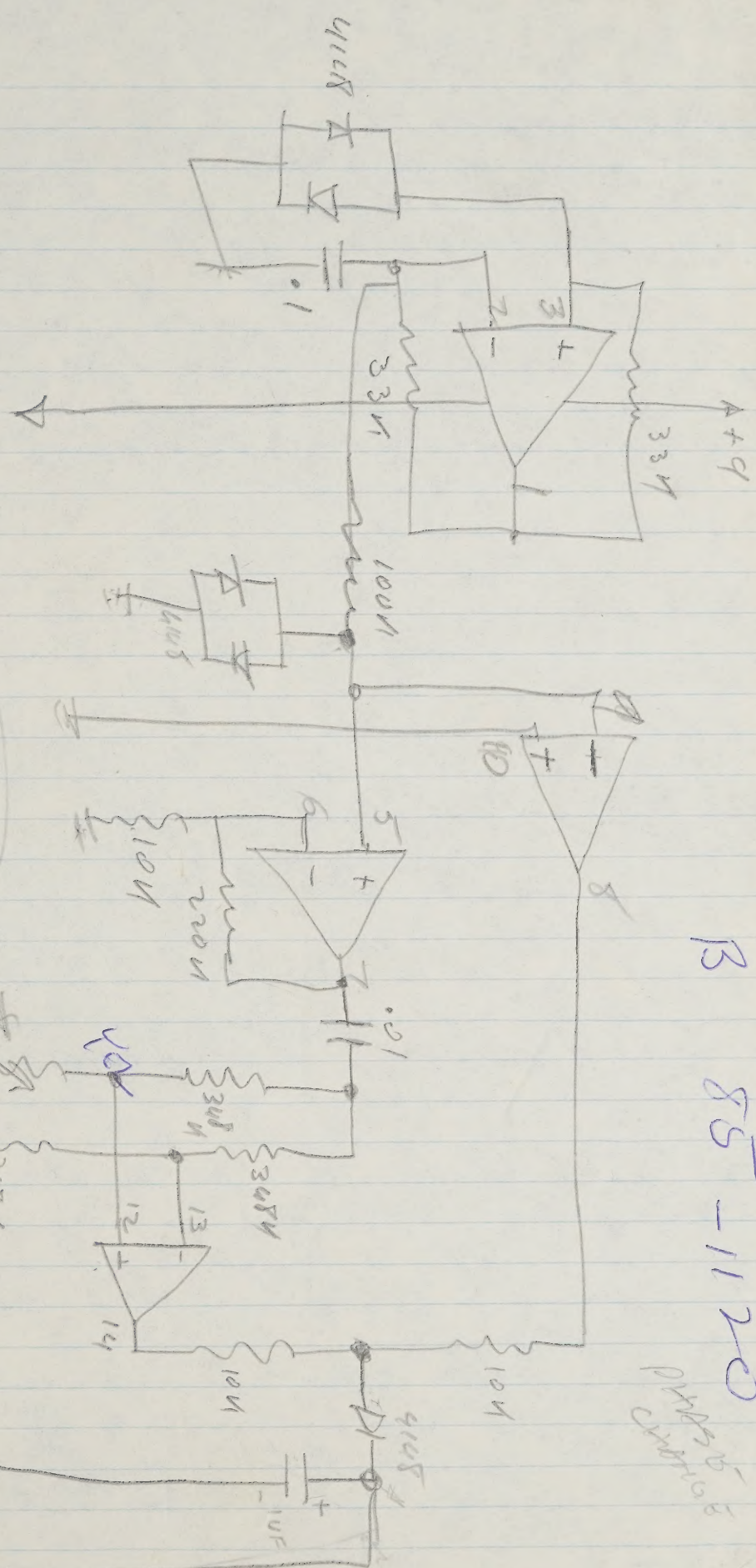
REPLACED 2N5064
WITH C106





B 85-1120

practical



-9

TRIPS BELOW 3484

SECOND CIRCUIT

SENSOR = 24 AWG - SAME COLOR YELLOW

AC = 20 AWC - BLACK

18"

4+

